

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An ignition coil device mounted in a plug hole of a plug hole member, ~~an~~while forming internal space being defined between the ignition coil device and a wall of with the plug hole member, the ignition coil device comprising:

a primary spool;~~and~~

a primary coil wire that is wound around an outer surface of the primary spool;  
and

a peripheral core that surrounds the primary coil wire with an interval gap defined between an inner surface of the peripheral core and an outer surface of the turns of the primary coil wire,

wherein an outer surface of the peripheral core is exposed towards the internal space,

wherein a gas path is provided through the peripheral core for gas to flow between the outer surface of the peripheral core and the inner surface of the peripheral core, and

wherein at least a given portion of the outer surface of the primary spool is formed of crystalline resin, and wherein gas is able to reach the given portion~~fluidly communicates with~~from the internal space via the gas path, the interval gap, and spaces between turns of the primary coil wire.

2. (Original) The ignition coil device of Claim 1,  
wherein the primary spool is formed of the crystalline resin.

Claim 3. (Canceled).

4. (Original) The ignition coil device of Claim 1,  
wherein the crystalline resin includes at least one of PPS, PBT, SPS, and PET.
5. (Original) The ignition coil device of Claim 4,  
wherein the crystalline resin is PPS and the primary spool is formed of the PPS.
6. (Withdrawn) The ignition coil device of Claim 4,  
wherein the crystalline resin is PBT.
7. (Withdrawn) The ignition coil device of Claim 4,  
wherein the crystalline resin is SPS and the primary spool is formed of the SPS.
8. (Withdrawn) The ignition coil device of Claim 4,  
wherein the crystalline resin is PET.
9. (Original) The ignition coil device of Claim 1,  
wherein the crystalline resin has a crystallinity degree between 20% and 80%.
10. (Original) The ignition coil device of Claim 1,  
wherein the crystalline resin has a crystallinity degree between 30% and 80%.
11. (Currently amended) The ignition coil device of Claim 1, further comprising:  
a high voltage tower provided closer, than the primary spool, to a bottom of the  
~~plug-hole member,~~ hole,  
wherein at least a certain portion of a surface of the high voltage tower is  
formed of the crystalline resin, wherein the certain portion fluidly communicates with  
the internal space.

12. (Original) The ignition coil device of Claim 11,  
wherein the high voltage tower is formed of the crystalline resin.

13. (Currently amended) The ignition coil device of Claim 11,  
wherein the high voltage tower is integrally formed in one piece ~~as being~~  
~~integrated~~ with the primary spool.

14. (Currently amended) An ignition coil device mounted in a plug hole  
member, comprising:

a secondary spool;

a secondary coil wire that is wound around an outer surface of the secondary  
spool; and

a high voltage tower provided closer, than the secondary spool, to a bottom of  
the plug hole member, wherein the high voltage tower covers and contacts a bottom of  
the secondary spool,

wherein a linear expansion coefficient of resin of which the secondary spool is  
formed is larger than a linear expansion coefficient of resin of which the high voltage  
tower is formed so that, when the ignition coil device is heated up, the bottom of the  
secondary spool contacts the high voltage tower with expanding pressure to thereby  
increase a sealing characteristic between the bottom of the secondary spool and the  
high voltage tower.

15. (New) The ignition coil device of claim 14, wherein the secondary spool  
includes a spool body and a base, the spool body being generally cylindrical having an  
upper portion and a lower portion adjacent said base, a wall thickness of said upper  
portion being less than a wall thickness of the lower portion, thereby to define a  
reduced interior dimension at said lower portion.

16. (New) The ignition coil device of claim 14, wherein a central core is disposed in said secondary spool and includes a longitudinal center portion having a diameter greater than a diameter at a longitudinal end thereof.

17. (New) The ignition coil device of claim 15, wherein a central core is disposed in said secondary spool and includes a longitudinal center portion having a diameter greater than a diameter at a longitudinal end thereof.

18. (New) The ignition coil device of claim 17, wherein the center portion of the central core engages an inner surface of the secondary spool at a transition between said upper portion of said spool body and said lower portion of said spool body.

19. (New) The ignition coil device of claim 18, wherein the center portion has a greater diameter than each longitudinal end thereof and a cylindrical space is defined between an upper portion of the center core and an inner surface of the upper portion of the secondary spool body.

20. (New) The ignition coil device of claim 18, wherein the upper portion of the secondary spool body has an inner diameter substantially corresponding to an outer diameter of said center portion of the central core and an inner diameter of said secondary spool lower end generally corresponds to an outer diameter of the center core at said longitudinal end thereof.